

Application No.: 10/043,208
06/26/2003

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cont'd*
4. (Amended) A device for fusing a toner image to a sheet comprising:
- a heated fusing roll;
 - a pressure roll in circumferential contact with said heated fusing roll to form a nip therebetween;
 - a manifold, adjacent said the nip formed by said heated fusing roll and said pressure roll, said manifold connected to an air supply source, wherein said manifold defines an outlet for providing a directed stream of air from said manifold;
 - an air source control to vary an air pressure supplied to the manifold in response to a predetermined condition, wherein said predetermined condition is determined based upon the weight of a sheet.

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5. (Amended) An electrophotographic printing machine having a fusing apparatus, comprising:

a print engine for forming and depositing a toner image on a substrate;

a heated fusing roll;

a pressure roll in circumferential contact with said heated fusing roll to form a nip therebetween;

a manifold, adjacent said the nip formed by said heated fusing roll and said pressure roll, said manifold connected to an air supply source, wherein said manifold defines an outlet for providing a directed stream of air from said manifold;

an air source control to vary an air pressure supplied to the manifold in response to a predetermined condition, wherein said predetermined condition is determined based upon the weight of a sheet.